

Form	ACO1 - Well Completion
Operator	Northern Lights Oil Company, LLC
Well Name	KEENAN 3
Doc ID	1565167

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4484	4488			300 GAL MCA, 750 GAL 15% NE
4	4346	4352			300 GAL MCA, 750 GAL 15% FE
4	4298	4300			300 GAL MCA
4	4208	4216			300 GAL MCA, 750 GAL 15% NE
4	4064	4066			400 GAL MCA 2%MS, 1000 GAL 15% NE
4	4080	4086			300 GAL MCA 2% MS
4	4370	4374			300 GAL MCA, 750 GAL 15% NE
4	4072	4074			300 GAL MCA 3 % MS

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	254	60/40 POZ	185	3% CC, 2% GEL
Production	7.825	5.5	14	4619	60/40 POZ	400	8%gel, 1/4#floreal